



**STATE OF ARIZONA
DEPARTMENT OF EMERGENCY AND MILITARY AFFAIRS**

DEMA Procurement Office, Building #M5330
5636 East McDowell Road
Phoenix, Arizona 85008-3495.

INVITATION FOR BID NUMBER: M9-0031

BID DUE DATE: 2:00 p.m. (AZ TIME), March 27, 2009

In accordance with Arizona Revised Statute §41-2533, competitive sealed Bids for the material or service specified will be received by the Department of Emergency and Military Affairs (hereinafter referred to as Department) Procurement Office (State), location identified above, until the date and time cited. Offers received will be opened and read publicly.

Bids must be in the possession of the Department Procurement Office (State) on, or prior to, the due date and time. Except as provided in the Arizona Procurement Code, late bids will not be considered. Offerors submitting late bids will be so notified.

Bids must be submitted in a sealed envelope with the Invitation for Bid Number and the Offeror's name and address clearly indicated on the envelope. All bids must be completed in ink or be typewritten. Additional instructions for preparing bids are provided herein. Offerors are encouraged to carefully read the entire Solicitation.

People with disabilities may request special accommodations such as interpreters, alternative formats, or assistance with physical accessibility. Requests for special accommodations must be made with 72 hours prior notice to the Department of Emergency & Military Affairs Procurement Office.

MATERIAL OR SERVICE: Provide two (2) Steel Master Buildings and Assembly

PRE-BID CONFERENCE/SITE VISIT: A pre-bid conference has not been scheduled for this project. An on-site inspection may be arranged by contacting Joe Engkey/Camp Navajo at (602) 773-3224.

FOR QUESTIONS ON THE SCOPE OF WORK: Joe Engkey, **TELEPHONE:** (520) 773-3321.

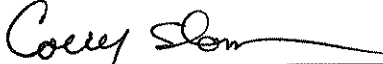
CONTRACT TYPE: FIRM, FIXED PRICE

CONTRACT TERM: One year with no renewal options

BUYER: Kathy Eastep **TELEPHONE:** 602-267-2765

BID ISSUE DATE: March 11, 2009

Copies via Internet: A copy of the solicitation documents may be downloaded from
<http://www.azdema.gov/jp/pc/solicitations.html>


CORY SLAMA
As Procurement Officer and Not Personally

NOTE: Map/Location of the DEMA Procurement Office (State) is on the back of this page.

DEMA PROCUREMENT OFFICE

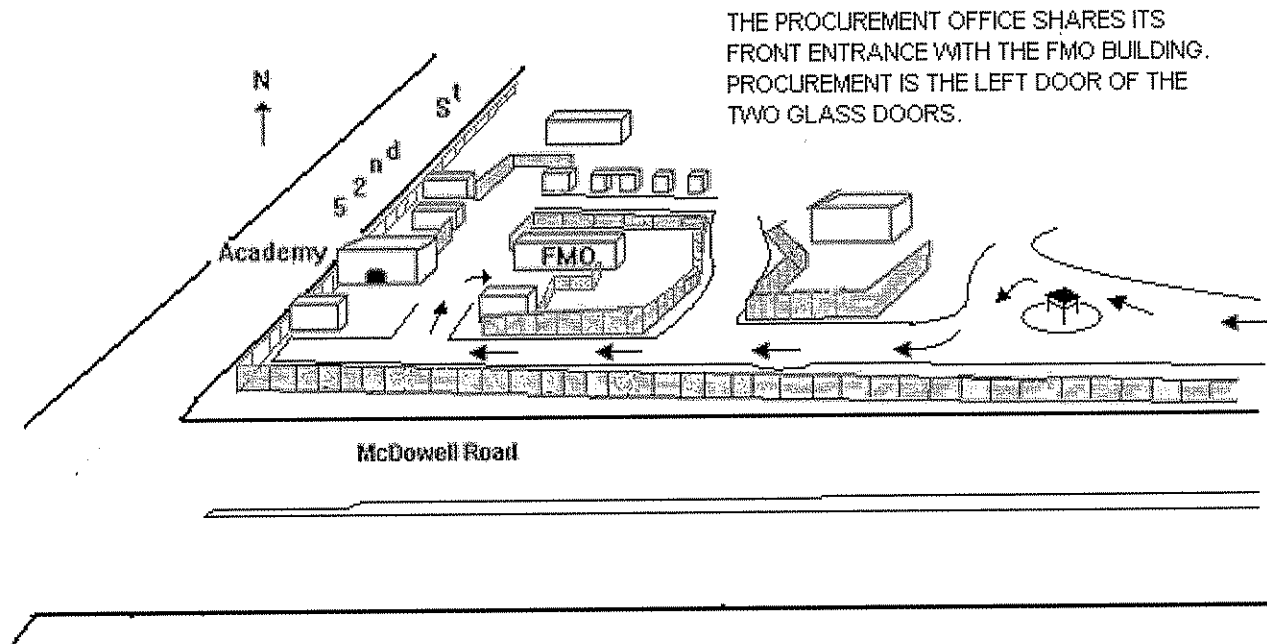
Building #M5330
5636 E. McDowell Road
Phoenix, Arizona

Hours of Operation

Monday - Friday 7:00 AM - 3:30 PM

Location

Access to the DEMA Procurement Office is available off Bushmaster. Bushmaster is approximately $\frac{1}{2}$ mile east of 52nd Street. (Enter base off McDowell Rd., Turn north on Bushmaster and follow the road on the base parallel to McDowell Road.)



FOR QUESTIONS CALL 602-267-2699

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SECTION I

UNIFORM INSTRUCTIONS TO OFFERORS v 7.1

The State of Arizona's approved Uniform Instructions (**Version 7.1, Dated 05/01/03**) to Offerors/Bidders are incorporated herein by reference and are available for public review and download in Adobe Acrobat format from the following web site:

<http://www.azdoa.gov/spo/procurement-documents/procurement-documents>

A hardcopy of the State of Arizona's approved Uniform Instructions to Offerors/Bidders is available upon request by visiting the Emergency and Military Affairs Procurement Office (State), 5636 E. McDowell Rd., Building M5330, Phoenix, AZ 85008-3495 or by calling (602) 267-2699.

SECTION II

UNIFORM TERMS AND CONDITIONS – Az SPO Form 202, Revision 7

The State of Arizona's approved Uniform Terms and Conditions (**Version 7.0, Dated 05/01/03**) are incorporated herein by reference and are available for public review and download in Adobe Acrobat format from the following web site:

<http://www.azdoa.gov/spo/procurement-documents/procurement-documents>

A hardcopy of the State of Arizona's approved Uniform Terms and Conditions is available upon request by visiting the Emergency and Military Affairs Procurement Office (State), 5636 E. McDowell Rd., Building M5330, Phoenix, AZ 85008-3495 or by calling (602) 267-2699.

SECTION III
SPECIAL INSTRUCTIONS TO BIDDERS/OFFERORS

1. **PREPARATION OF BID**

- A. All bids shall be submitted on the forms provided in this solicitation package. Copies of these forms are acceptable, however, telegraphic bids, mailgrams, or bids sent by facsimile will not be considered.
- B. The authorized person signing the Offer shall initial (in ink) all erasures, interlineations, or other modifications in its bid.
- C. Bid prices shall be shown in both words and figures. In case of a discrepancy, the amount in words shall prevail. In the case of a mathematical error in extending the prices in its bid, the State will consider only the unit price. No bidder will be permitted to alter, amend, or withdraw its bid after the specified bid due date and time.
- D. Unless otherwise noted, all time periods listed as number of days shall be considered calendar days.
- E. It is the responsibility of each bidder to examine the complete Solicitation package and seek clarification for any items or requirements that may appear to be incorrect, unclear or ambiguous. All responses shall be thoroughly checked by the respective bidding vendor for accuracy and completeness before submission to the State. Negligence in preparing a bid confers no legal right of withdrawal after the due date and time.

2. **BID PROPOSAL FORM**

For reasons of clarity, all pricing shall be priced for the same unit characteristics (size, volume, quantity, weight, color, etc.) as the bid specifications request unless specifically called for otherwise in the specifications.

Bid pricing must be provided on the price sheet(s) provided in this solicitation. Submissions (bids) failing to comply with this requirement may be declared non-responsive.

3. **DUE DATE/COPIES**

All bids must be marked with the bid number on the outside of the response envelope and be delivered to: Department of Emergency and Military Affairs, 5636 E. McDowell Rd., Building M5330, Phoenix, AZ 85008-3495.

Invitation for Bids require only one (1) original document and no copies.

4. **REFERENCES**

Upon request, the bidder shall furnish no less than three (3) firm/company names, contact names, and telephone numbers of customers for whom he has provided the same type service specified in this solicitation. All references provided must be for work performed within the last three (3) calendar years.

SECTION IV

DEMA SPECIAL TERMS AND CONDITIONS

1. **EVALUATION**

A Contract shall be awarded to the lowest, responsible, responsive Offeror whose Bid conforms in all material aspects of the requirements and criteria set forth in this Solicitation.

2. **CALENDAR DAYS**

The Offeror shall state, on the Bid Proposal Form, the least number of calendar days (counting Sundays and holidays) after date of receipt of Notice to Proceed in which they will complete performance. The Offeror shall make any allowance for possible difficulties which may be encountered.

3. **SIMILAR WORK**

Each Bidder shall furnish, upon request, a statement of whether they are now, or have ever been, engaged in work similar to that covered by the Solicitation. Such statement shall include the year in which such work was performed, the manner of its execution, and give such other information as will tend to show the Bidder's ability to prosecute the required work.

4. **CONTRACT APPLICABILITY**

The Contractor shall comply with all requirements found within the text of the Contract and this Solicitation. All previous agreements, Contracts, or other documents, which have been executed between the Contractor and the Department are not applicable to this Solicitation nor any resultant Contract.

5. **VALUE IN PROCUREMENT**

Through the Governor's Efficiency Review initiative the Value in Procurement Committee has been established. A major initiative of the VIP Committee is to aggregate specific procurements to increase efficiency and cut costs. The VIP Committee may designate and establish a statewide contract for these types of goods or services. At such time, this contract may not be extended beyond its original term even though additional contract extensions may still be available.

6. **OFFSHORE PERFORMANCE OF WORK PROHIBITED**

Due to security and identity protection concerns, direct services under this contract shall be performed within the borders of the United States. Any services that are described in the specifications or scope of work that directly serve the State of Arizona or its clients and may involve access to secure or sensitive data or personal client data or development or modification of software for the State shall be performed within the borders of the United States. Unless specifically stated otherwise in the specifications, this definition does not apply to indirect or "overhead" services, redundant back-up services or services that are incidental to the performance of the contract. This provision applies to work performed by subcontractors at all tiers. Offerors shall declare all anticipated offshore services in their bid/proposal.

7. **ELECTRONIC AND INFORMATION TECHNOLOGY**

Any electronic or information technology offered to the State of Arizona under this solicitation shall comply with A.R.S. 41-2531 and 2532 and Section 508 of the Rehabilitation Act of 1973, which requires that employees and members of the public shall have access to and use of information technology that is comparable to the access and use by employees and members of the public who are not individuals with disabilities.

8. **FEDERAL IMMIGRATION LAWS, COMPLIANCE BY STATE CONTRACTORS**

By signing the Offer the Offeror warrants that it and all proposed subcontractors are in compliance with the Federal Immigration and Nationality Act (FINA) and all other Federal immigration laws and regulations related to the immigration status of its employees. The Offeror shall obtain statements from all proposed subcontractors certifying compliance with this requirement and shall furnish the statements to the Procurement Officer upon request.

By entering into the Contract, the Contractor warrants compliance with the Federal Immigration and Nationality Act (FINA) and all other Federal immigration laws and regulations related to the immigration status of its employees. The Contractor shall obtain statements from its subcontractors certifying compliance and shall furnish the statements to the Procurement Officer upon request. These warranties shall remain in effect through the term of the Contract. The Contractor and its subcontractors shall also maintain Employment Eligibility Verification forms (I-9) as required by the U.S. Department of Labor's Immigration and Control Act, for all employees performing work under the Contract. I-9 forms are available for download at USCIS.GOV.

The State may request verification of compliance for any Contractor or subcontractor performing work under the Contract. Should the State suspect find or that the Contractor or any of its subcontractors are not in compliance, the State may pursue any and all remedies allowed by law, including, but not limited to: suspension of work, termination of the Contract for default, and suspension and/or debarment of the Contractor. All costs necessary to verify compliance is the responsibility of the Contractor.

9. **COMPLIANCE REQUIREMENTS FOR A.R.S. § 41-4401, GOVERNMENT PROCUREMENT: E-VERIFY REQUIREMENT.** The contractor warrants compliance with all Federal immigration laws and regulations relating to employees and warrants its compliance with Section A.R.S. § 23-214, Subsection A. (That subsection reads: "After December 31, 2007, every employer, after hiring an employee, shall verify the employment eligibility of the employee through the E-Verify program.")

A breach of a warranty regarding compliance with immigration laws and regulations shall be deemed a material breach of the contract and the contractor may be subject to penalties up to and including termination of the contract.

Failure to comply with a State audit process to randomly verify the employment records of contractors and subcontractors shall be deemed a material breach of the contract and the contractor may be subject to penalties up to and including termination of the contract.

The State Agency retains the legal right to inspect the papers of any employee who works on the contract to ensure that the contractor or subcontractor is complying with the warranty under paragraph 1 of this subsection #9 in this solicitation.

10. **MANUFACTURES NAMES**
Any manufacturer's names, trade names, brand names, or catalogue numbers used in the specifications (if applicable) are for the purpose of describing and establishing the general quality level, design and performance desired. Such references are not intended to limit or restrict bidding by other vendors but are intended to approximate the quality design or performance which is desired. Any bid which proposes like quality, design, or performance will be considered. If the description of your offer differs in any way, you must give a complete detailed description of your Quotation including pictures and literature where applicable. Unless a specific exception is made, the assumption will be that you are bidding exactly as specified on the Request for Quotation.

11. **MATERIAL AND WORKMANSHIP**
Unless otherwise specifically provided for in the specifications, all equipment, materials and articles incorporated in the work covered by the Contract are to be new and of the most suitable grade of their respective kinds for the purpose intended, and all workmanship shall be first class. Where equipment, materials or articles are referred to in the specifications as 'equal to' any particular standard, the Purchasing Officer's Representative (POR) shall decide the question of equality. The Contractor shall furnish to the POR for his approval the name of the manufacturer of machinery, mechanical and other equipment which he contemplates incorporating in the work, together with their performance capacities and other pertinent information. When required by the specifications, or when called for by the POR, the Contractor shall furnish to the POR for approval full information concerning the materials or articles which he contemplates incorporating in the work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials and articles installed or used without such approval shall be at the risk of subsequent rejection. The POR may in writing require the Contractor to remove from the work site such employees as the POR deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the work site is deemed by the POR to be contrary to the public interest.

12. **RECOVERY OF DAMAGES BY CONTRACTOR FOR DELAY**
Damages related to expenses incurred by the Contractor for a delay for which the Department is responsible, which is unreasonable under the circumstances, and which was not within the contemplation of the parties to the Contract, may

be negotiated between the Contractor and the Department, pursuant to Arizona Revised Statutes ' 41-2617.

13. **SAFETY STANDARDS**

All items supplied on the Contract must comply with the current applicable Occupational Safety and Health Standards of the State of Arizona Industrial Commission.

14. **MODIFICATION PROPOSALS PRICE BREAKDOWN**

The Contractor, in connection with any proposal requested for a Contract modification, shall furnish a price breakdown, itemized as required by the Contracting Officer. Unless otherwise directed, the breakdown shall be in sufficient detail to permit an analysis of all material, labor, equipment, subcontract and overhead costs, as well as profit, and shall cover all work involved in the modification, whether such work was deleted, added or changed. Any amount claimed for subcontracts shall be supported by a similar price breakdown. In addition, if the proposal includes a time extension, a justification therefore shall also be furnished. The proposal, together with a price breakdown and time extension justification, shall be furnished by the date specified by the Contracting Officer.

15. **NOTICE TO PROCEED**

The Department shall issue a Notice to Proceed or executed Purchase Order for the material or service covered by the Contract. The term of any resultant Contract shall commence on the date of Notice to Proceed or Purchase Order and continue for the period of time indicated in the Contract, unless terminated, canceled or extended as otherwise provided.

16. **CONTRACT TERM**

The term of any resultant Contract shall commence on the date of award and continue for a period of one (1) year

17. **INSURANCE AND INDEMNIFICATION**

INDEMNIFICATION CLAUSE:

Contractor shall indemnify, defend, save and hold harmless the State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees (hereinafter referred to as "Indemnitee") from and against any and all claims, actions, liabilities, damages, losses, or expenses (including court costs, attorneys' fees, and costs of claim processing, investigation and litigation) (hereinafter referred to as "Claims") for bodily injury or personal injury (including death), or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Contractor or any of its owners, officers, directors, agents, employees or subcontractors. This indemnity includes any claim or amount arising out of or recovered under the Workers' Compensation Law or arising out of the failure of such contractor to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. It is the specific intention of the parties that the Indemnitee shall, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of the Indemnitee, be indemnified by Contractor from and against any and all claims. It is agreed that Contractor will be responsible for primary loss investigation, defense and judgment costs where this indemnification is applicable. In consideration of the award of this contract, the Contractor agrees to waive all rights of subrogation against the State of Arizona, its officers, officials, agents and employees for losses arising from the work performed by the Contractor for the State of Arizona.

This indemnity shall not apply if the contractor or sub-contractor(s) is/are an agency, board, commission or university of the State of Arizona.

INSURANCE REQUIREMENTS:

Contractor and subcontractors shall procure and maintain, until all of their obligations, including any warranty periods under this Contract, are satisfied, insurance against claims for injury to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

The *insurance requirements* herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. The State of Arizona in no way warrants that the minimum limits contained herein are sufficient to protect the Contractor from liabilities that might arise out of the performance of the work under this contract by the Contractor, its agents, representatives, employees or subcontractors, and Contractor is free to purchase additional insurance.

A. MINIMUM SCOPE AND LIMITS OF INSURANCE: Contractor shall provide coverage with limits of liability not less than those stated below.

1. **Commercial General Liability – Occurrence Form**

Policy shall include bodily injury, property damage, personal injury and broad form contractual liability and XCU coverage.

• General Aggregate	\$2,000,000
• Products – Completed Operations Aggregate	\$1,000,000
• Personal and Advertising Injury	\$1,000,000
• Each Occurrence	\$1,000,000
• Blanket Contractual Liability – Written and Oral	\$1,000,000
• Fire Damage (Any one fire)	\$1,000,000

a. The policy shall be endorsed to include the following additional insured language: ***“The State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees shall be named as additional insureds with respect to liability arising out of the activities performed by or on behalf of the Contractor.”***

b. Policy shall contain a waiver of subrogation against the State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees for losses arising from work performed by or on behalf of the Contractor.

2. **Business Automobile Liability**

Bodily Injury and Property Damage for any owned, hired, and/or non-owned vehicles used in the performance of this Contract.

Combined Single Limit (CSL)	\$1,000,000
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a. The policy shall be endorsed to include the following additional insured language: ***“The State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees shall be named as additional insureds with respect to liability arising out of the activities performed by or on behalf of the Contractor, involving automobiles owned, leased, hired or borrowed by the Contractor.”***

b. Policy shall contain a waiver of subrogation against the State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees for losses arising from work performed by or on behalf of the Contractor.

3. **Worker's Compensation and Employers' Liability**

Workers' Compensation	Statutory
Employers' Liability	
Each Accident	\$ 500,000
Disease – Each Employee	\$ 500,000
Disease – Policy Limit	\$1,000,000

a. Policy shall contain a waiver of subrogation against the State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees for losses arising from work performed by or on behalf of the Contractor.

b. This requirement shall not apply to: Separately, EACH contractor or subcontractor exempt under A.R.S. 23-901, AND when such contractor or subcontractor executes the appropriate waiver (Sole Proprietor/Independent Contractor) form.

4. **Installation Floater**

In an amount equal to the initial Contract Amount plus additional coverage equal to contract amount for all subsequent change orders.

a. The State of Arizona, Contractor, subcontractor and any others with an insurable interest in the work shall be **Named Insureds** on the policy.

b. Coverage shall be written on an all risk, replacement cost basis and **shall include coverage for flood and earth movement** as well as coverage for losses that may occur during **equipment testing**.

c. Policy shall be maintained until whichever of the following shall first occur: (1) final payment has been made; or, (2) until no person or entity, other than the State of Arizona, has an insurable interest in the property required to be covered.

d. Policy shall be endorsed such that the insurance shall not be canceled or lapse because of any partial use or occupancy by the State of Arizona.

e. The Installation Floater must provide coverage from the time the equipment/material becomes the

responsibility of the Contractor and shall continue without interruption during the installation, including any time during which the equipment/material is being transported to the installation site, or awaiting installation, whether on or off site.

f. Policy shall contain a waiver of subrogation against the State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees for losses arising from work performed by the Contractor for the State of Arizona.

g. Contractor is responsible for the payment of all deductibles under the Installation Floater policy.

B. ADDITIONAL INSURANCE REQUIREMENTS: The policies shall include, or be endorsed to include, the following provisions:

1. The State of Arizona, its departments, agencies, boards, commissions, universities and its officers, officials, agents, and employees wherever additional insured status is required such additional insured shall be covered to the full limits of liability purchased by the Contractor, even if those limits of liability are in excess of those required by this Contract.
2. The Contractor's insurance coverage shall be primary insurance with respect to all other available sources.
3. Coverage provided by the Contractor shall not be limited to the liability assumed under the indemnification provisions of this Contract.

C. NOTICE OF CANCELLATION: Each insurance policy required by the insurance provisions of this Contract shall provide the required coverage and shall not be suspended, voided, canceled, or reduced in coverage or in limits except after thirty (30) days prior written notice has been given to the State of Arizona. Such notice shall be sent directly to **(State of Arizona Department Representative's Name & Address)** and shall be sent by certified mail, return receipt requested.

D. ACCEPTABILITY OF INSURERS: Insurance is to be placed with duly licensed or approved non-admitted insurers in the state of Arizona with an "A.M. Best" rating of not less than A- VII. The State of Arizona in no way warrants that the above-required minimum insurer rating is sufficient to protect the Contractor from potential insurer insolvency.

E. VERIFICATION OF COVERAGE: Contractor shall furnish the State of Arizona with certificates of insurance (ACORD form or equivalent approved by the State of Arizona) as required by this Contract. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

All certificates and endorsements are to be received and approved by the State of Arizona before work commences. Each insurance policy required by this Contract must be in effect at or prior to commencement of work under this Contract and remain in effect for the duration of the project. Failure to maintain the insurance policies as required by this Contract, or to provide evidence of renewal, is a material breach of contract.

All certificates required by this Contract shall be sent directly to **(State of Arizona Department Representative's Name and Address)**. The State of Arizona project/contract number and project description are to be noted on the certificate of insurance. The State of Arizona reserves the right to require complete, certified copies of all insurance policies required by this Contract at any time. **DO NOT SEND CERTIFICATES OF INSURANCE TO THE STATE OF ARIZONA'S RISK MANAGEMENT DIVISION.**

F. SUBCONTRACTORS: Contractors' certificate(s) shall include all subcontractors as insureds under its policies **or** Contractor shall furnish to the State of Arizona separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to the minimum requirements identified above.

G. APPROVAL: Any modification or variation from the *insurance requirements* in this Contract shall be made by the Department of Administration, Risk Management Division, whose decision shall be final. Such action will not require a formal Contract amendment, but may be made by administrative action.

H. EXCEPTIONS: In the event the Contractor or sub-contractor(s) is/are a public entity, then the Insurance Requirements shall not apply. Such public entity shall provide a Certificate of Self-Insurance. If the contractor or sub-contractor(s) is/are a State of Arizona agency, board, commission, or university, none of the above shall apply.

ATTACHMENT A -- OFFER & ACCEPTANCE DOCUMENT

STATE OF ARIZONA DEPARTMENT OF EMERGENCY AND MILITARY AFFAIRS INVITATION FOR BID NUMBER: M9-0031

Submit the ORIGINAL of this attachment to the Department Procurement Office

TO: Procurement Manager, Department Procurement Office (State)

The Undersigned hereby offers and agrees to furnish the construction in compliance with all terms, conditions, drawings, specifications and addenda. By signing this attachment the undersigned also understands and will comply with the Instructions to Offerors. Furthermore, in accordance with A.R.S. § 35-397, the offeror hereby certifies that the offeror does not have scrutinized business operations in Iran and/or Sudan.

Arizona Transaction (Sales) Privilege Tax License No.:	Point of contact for questions concerning this offer:
Federal Employer Identification No.:	Name:
Commercial Contractor's License No:	Telephone No.:
Company Information:	Fax No.:
Company Name:	Email Address:
Street Address	Authorized signature:
Street Address	Printed Name:
City State Zip	Title
Company Email Address:	Signature

ACCEPTANCE OF OFFER AND CONTRACT AWARD

When signed below, your Bid is hereby accepted. The Contractor is now bound to perform based upon the solicitation and the Contractor's bid as accepted by the State. This Contract shall be referenced by Contract No. **M9-0031**

You are cautioned not to commence any billable work or provide materials/services under this Contract until having received an executed Purchase Order or Notice to Proceed letter.

<p>AZ. DEPT. OF EMERG. & MILIARY AFFAIRS</p> <p>Awarded the ____ day of _____, 200__</p> <p>_____ Corry Slama, C.P.M., CPPB As Procurement Manager & Not Personally</p>

ATTACHMENT B
BID PROPOSAL FORM
M9-0031

Sealed Bids will be received until **[Bid Time (X:XX XM)] (AZ TIME), [Bid Date]**, in the Department Procurement Office (State), Building #M5330, 5636 East McDowell Road, Phoenix, Arizona 85008-3495. Bids will be opened in Building #M5330.

Having carefully examined the premises and conditions affecting this work, the Offeror proposes to provide all labor, supplies, material, applicable taxes, transportation, and services required to complete **Provide two (2) Steel Master Buildings and Assembly**, in strict conformity with all provisions of the Solicitation:

1. BASE BID, FIRM, FIXED PRICE OF:

_____ (\$ _____)

PAYMENT TERMS:

Net _____ Days or Prices quoted herein can be discounted by _____% if payment is made within _____ days of invoice receipt.

The Offeror agrees to complete all of the work under the contract within **60 calendar days** of the date of purchase order or notice to proceed.

The Offeror is familiar with all the provisions of this Solicitation, local conditions and has carefully checked the figures comprising his bid.

The Department of Emergency and Military Affairs is not be responsible for any errors or omissions on the part of the Offeror.

This bid may not be withdrawn for a period of ninety (90) days after the bid opening date.

ATTACHMENT C
CERTIFICATE OF CORPORATE AUTHORITY

Offerors must provide the following information:

A Corporation existing under the laws of the State of _____; or

A Partnership consisting of _____; or

An Individual trading as _____.

If your firm is a corporation, completion of the following certification is mandatory. **(NOTE: THE CERTIFICATE MUST BE COMPLETED BY AN OFFICER OF THE CORPORATION AND WHO DID NOT SIGN THE OFFER PAGE).**

I, _____, certify that I am the _____
of the Corporation named as Offeror herein; that _____ signed this
Bid on behalf of the Corporation, was then the _____ of said
Corporation; that said Bid was duly signed for and in behalf of said Corporation by authority of its
governing body, and is within the scope of its corporate powers.

CORPORATE OFFICER
(Signature)

STATE OF ARIZONA)
)
COUNTY OF _____)

Of _____, the Person, Corporation, or Company
(Firm Name)

"That such Bid is genuine and is not sham or collusive, or made in the interest or behalf of any person not herein named, and that the Offeror has not directly or indirectly induced or solicited any other Offeror to put in a sham Bid, or any other Person, Firm or Corporation to refrain from bidding, and that the Offeror has not in any manner sought by collusion to secure for itself an advantage over any other Offeror."

By: _____

Subscribed and sworn to before me this _____ day of _____, 20____.

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STATE OF ARIZONA)
)
COUNTY OF _____)

of _____, the Person, Corporation, or Company who make the accompanying
(Firm Name)

It is agreed that if any such preclusion from participation from any public procurement activity is currently pending, the Offeror must fully explain the circumstances relating to the preclusion or proposed preclusion. If awarded, the offeror must include a letter with its offer setting forth the name and address of the governmental unit, the effective date of this suspension or debarment, the duration of the suspension or debarment, and the relevant circumstances relating to the suspension or debarment. If suspension or debarment is currently pending, a detailed description of all relevant circumstances including the details enumerated above must be provided."

(Title)

My Commission Expires: _____
(Date) (Notary Public)

ATTACHMENT F

SMALL, WOMAN-OWNED AND/OR MINORITY-OWNED BUSINESS CERTIFICATION

Executive Order 2004-29 requires all State of Arizona agencies to track and report solicitations distributed and awarded to Small, Woman-Owned and/or Minority-Owned firms.

A small business is one that, including its affiliates, is independently owned and operated, is not dominant in the type of business it conducts, and employs fewer than 100 employees OR has less than \$4 million in annual sales. To qualify as a minority or women-owned business, the firm must be at least 51% minority or woman owned.

When practical, purchases/contracts less than \$50,000 will be made from small businesses.

CHECK THE APPROPRIATE CLASSIFICATION APPLICABLE TO YOUR FIRM:

<ul style="list-style-type: none"><input type="radio"/> 1.0 Small Business (SB)<input type="radio"/> 2.0 Small Business- African American (SBAA)<input type="radio"/> 3.0 Small Business- Asian (SBA)<input type="radio"/> 4.0 Small Business- Hispanic (SBH)<input type="radio"/> 5.0 Small Business- Native American (SBNA)<input type="radio"/> 6.0 Small Business- Other (SBO)<input type="radio"/> 7.0 Small, Woman Owned Bus. (SWOB)<input type="radio"/> 8.0 Small, Woman Owned Bus.- African American (SWOBAA)<input type="radio"/> 9.0 Small, Woman Owned Bus.- Asian (SWOBA)<input type="radio"/> 10.0 Small, Woman Owned Bus. Hispanic (SWOBH)<input type="radio"/> 11.0 Small, Woman Owned Bus. Native American (SWOBNA)<input type="radio"/> 12.0 Small, Woman Owned Bus. Other (SWOBO)	<ul style="list-style-type: none"><input type="radio"/> 13.0 Woman Owned Business (WOB)<input type="radio"/> 14.0 Woman Owned Bus. African American (WOBAA)<input type="radio"/> 15.0 Woman Owned Bus. Asian (WOBA)<input type="radio"/> 16.0 Woman Owned Bus. Hispanic (WOBH)<input type="radio"/> 17.0 Woman Owned Bus. Native American (WOBNA)<input type="radio"/> 18.0 Woman Owned Bus. Other (WOBO)<input type="radio"/> 19.0 Minority Owned Bus. African American (MAA)<input type="radio"/> 20.0 Minority Owned Bus. Asian (MA)<input type="radio"/> 21.0 Minority Owned Bus. Hispanic (MHA)<input type="radio"/> 22.0 Minority Owned Bus. Native American (NA)<input type="radio"/> 23.0 Minority Owned Bus. Other (MO)
<input type="checkbox"/> 24.00 (NONE) None of these categories is applicable and firm does not qualify as either a Small, Woman, or Minority-Owned firm.	

=====

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code _____

I hereby certify that _____ (Firm/Company Name) ☐ is or ☐ is not (check one) a small business with less than 100 employees and/or less than \$4 million in annual sales.

Signature Date

I hereby certify that _____ (Firm/Company Name) ☐ is or ☐ is not (check one) a ☐ Minority and/or ☐ Women (check one or both) Owned Business in accordance with Executive Order 2004-29 issued by Governor Napolitano.

Signature Date

Exhibit 1
PROJECT SPECIFICATIONS

**DEPARTMENT OF EMERGENCY AND MILITARY AFFAIRS
STEEL MASTER BUILDING AND ASSEMBLY**

**ARIZONA NATIONAL GUARD
CAMP NAVAJO
BELLEMONT, ARIZONA**

**Arizona Army National Guard Camp Navajo
#1 Hughes Avenue, Bellemont, Arizona 86015-6123
Point of Contact: Joe Englkey
Telephone Numbers: (928) 773-3224; Fax (928) 773-3321**

TECHNICAL SPECIFICATIONS

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08110	Steel Doors and Frames
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 SECTION	 DIVISION 13 – SPECIAL CONSTRUCTION
13125	Metal Building Systems

SCOPE OF WORK

PART 1 – GENERAL

1.1 SUMMARY

A. Project Identification: As follows; Steel Master Building(s) and Assembly

1. Location: Camp Navajo Army Depot
2. Owner: Arizona Army National Guard Camp Navajo
#1 Hughes Avenue, Bellemont, Az. 86015

B. The Contractor shall purchase and provide all labor, tools, and equipment necessary to erect two (2) SteelMaster model # S20-18-80 arched Metal Buildings (20Ft W x 18FT H w 80FT L) on an existing concrete pad East of GSA warehouses. Buildings shall be erected on factory supplied engineered metal footings per manufactures recommendations. The two (2) buildings will come with pre-cut end units with 14FT x 14Ft rough openings and rough opening kits for two (2) 3FT x 7FT man doors and all hardware necessary to erect buildings. Contractor shall also supply and install four (4) Brown Metal Sectional overhead (14FT x 14FT) non-insulated, chain operated sectional doors and one each 3FT x 7FT Steel non-insulated, personnel door. See Section 08110 Steel Doors and Frames and Section 08361, Sectional Overhead Doors for product requirements.

END OF SECTION 01110

SECTION 01141-WORK RESTRICTIONS AND SPECIAL PROVISIONS

PART 1 GENERAL: Note: References to the COR or POR in this section shall generally mean the Camp Navajo Director of Engineering (CN DE) office. In some cases, the Contracting or Purchasing Officer may designate a different single point of contact.

1.01 SPECIAL SCHEDULING REQUIREMENTS: See other sections for specific information regarding scheduling requirements, milestone dates and project completion dates.

1.02 CONTRACTOR ACCESS AND USE OF PREMISES: Contractor shall ensure that personnel employed on Camp Navajo become familiar with this section of the contract documents and obey Camp Navajo regulations. Keep within the limits of the work and avenues of ingress and egress as directed. Do not enter restricted areas unless required to do so and until cleared for such entry.

A. Access to Camp Navajo by Contractor Personnel

1. Access to Limited Area:

- a. Access Badge and Escort Requirements: The Contractor will be responsible to provide escort for all personnel required to be down-range (in the limited area), including delivery vehicle operators. The Contractor will be issued up to five "No Escort Required" badges (NER) and subcontractors will be allowed to have two to five NERs based on numbers of personnel, crew size and activities. The remaining personnel will be issued "Escort Required" badges. This includes equipment and delivery vehicle operators and personnel from organizations that are not performing work on the down-range facilities. CN will give special consideration to drivers of time constrained materials such as hot asphalt and ready-mix Portland Cement concrete. For the purpose of this paragraph, a subcontractor is meant as an organization that is engaged in performing on-site work on a regular basis within the project location. All Contractor access badges shall be surrendered to security upon departing "down-range". Badges will be issued by surrendering a picture ID such as a valid driver's license at the security checkpoint, generally Post #3.
- b. Identification of Employees: The Government shall provide each of the Contractor's employees a Security Access Badge of either the "ESCORT REQUIRED" or "NO ESCORT REQUIRED" type before entry into the Limited Area is permitted. Contractor shall ensure that all employees wear the Security Access Badge while performing work inside the Limited Area. Badges are to be secured at Post #3 or Bldg 8 when contractor personnel depart the limited area. Badges are NOT TO BE REMOVED FROM CAMP NAVAJO. Contractor shall ensure that personnel employed on Camp Navajo

Become familiar with and obey Camp Navajo regulations. Keep within the limits of work and avenues of ingress and egress as directed. Do not enter restricted areas unless required to do so and until cleared for such entry.

- c. Obtaining Access Badges: Not less than THIRTY (30) working days prior to the commencement of work at Camp Navajo by any employee of the Contractor or any subcontractor, the project superintendent shall submit to CN DE, in writing, the following information on each employee: name, social security number, date of birth, local address, company and type of Security Access Badge requested ("ESCORT REQUIRED" or "NO ESCORT REQUIRED"). Contractor/subcontractor personnel who are to be issued "ESCORT REQUIRED" badges shall, on the day of access, produce and surrender a picture ID card prior to receipt of an access badge.
 - d. Contractor personnel, including subcontractor personnel, shall complete and submit questionnaires or other forms as may be required for security purposes. Personnel to be issued "NO ESCORT REQUIRED" security access badges will submit required questionnaire for background and criminal history at time of badge issue. At that time, fingerprints will be taken. Any individual who is subsequently found by Camp Navajo to be ineligible will have his/her "NO ESCORT REQUIRED" access privileges immediately revoked. Badges and the accompanying Camp Navajo Pass shall be turned in nightly at the Security Office, Building #8, or Post #3 as designated by Camp Navajo personnel. Badges and passes will be reissued to the respective individuals the following work day. Matches of any type and lighters of any type (including vehicle lighters) are prohibited in the Limited Area.
 - e. Lost Badges: Contractor employees, to include all subcontractor, suppliers, and delivery personnel issued badges, shall promptly report loss or destruction of their Security Access Badges to the Security Office or the Military Police Desk Sergeant. A lost badge affidavit will be completed by the losing individual describing the circumstances of loss/destruction. New badges will be issued by the Security Office in accordance with the written procedures of Camp Navajo, with replacement cost of ten dollars (\$10.00) per badge to be borne by the Contractor. Cost of replacement badge(s) will be deducted from final payment to the Contractor.
2. Non-Limited Area Access: Camp Navajo will not issue badges for contractor personnel not needing access to the limited area. This area includes the administration area and commercial/industrial operations areas, the Training Site, the Bellemont Armory, the VA Clinic and Wherry Housing. Not less than three working days prior to needing access to Camp Navajo (excluding the Limited Area) the contractor shall provide to the CN DE office or other designated Camp Navajo office a listing of all personnel, contractor or sub-contractor, expected to be at the job site. Contractor shall provide the following information for each person: full name, social security number, date of birth, local address and phone number and company.
- B. Lost and Found Property: It is the responsibility of the Contractor to ensure that all articles of possible personal or monetary value found by his employees are turned into Installation Security office or the office of the Camp Navajo Director of Engineering (CNDE).

- C. Interruption of Services: The contractor shall coordinate at least 15 days in advance with CN DE for any interruption of utilities or roads. No later than three working days prior to such interruption, the contractor shall notify CN DE in writing of the proposed interruption. The contractor shall provide required and adequate markings or warnings regarding such closures.
- D. Smoking: Smoking in the limited area or "down-range" is strictly prohibited. Smoking in other areas shall be closely monitored. There shall be no smoking in any facility on the installation except in those so designated as a smoking area.
- E. Fires: All activities producing flames or sparks such as welding, grinding, and soldering require a flame or burn permit. Burning of trash or other materials is prohibited. This applies to work performed anywhere on Camp Navajo.
- F. Photography: All cameras require a permit. There shall be no unauthorized photography.
- G. Working Hours: Normal working hours shall be a 40-hour week consisting of not fewer than four 10-hour days during the period Monday through Thursday, 7:00 A.M. to 5:30 P.M. with State and Federal holidays included in the 40 hours at 8 hours each. The Contractor shall have a designated superintendent or other person(s) designated to act in behalf of the Contractor on site or available within 15 minutes at all times when Contractor or subcontractor delivery, or other personnel are on-site or scheduled to be on-site. Government personnel including CN DE personnel will not issue receipts for materials, services or equipment being delivered to or provided at the work-site.
- H. Contractor's Trailer/Office: If the Contractor determines that a temporary building (office, trailer, etc.) is required to complete the project then the CN DE shall be notified to coordinate location, utility hookup, etc. during the pre-construction meeting. The contractor site is located to the southwest of the National Weather Service building and North of the fence line. Utility requirements shall be coordinated with CN DE for hookup. Utility hookups will be completed by Facilities Engineering personnel unless otherwise approved by CN DE. A meter will be installed for each utility and the Contractor will be billed monthly for each utility service provided. If no meter is provided the contractor will be billed a flat rate per month.
- I. Permits: There are no charges for these permits.
1. Heat/Flame-Producing Permit: Obtain permit from Camp Navajo Fire Department prior to using any heat/flame-producing tools or equipment. After the permit is issued by the Fire Department, it will be approved or disapproved by the Camp Navajo Safety Officer and Quality Assurance Officer.
 2. Excavation Permit: Obtain permit from Camp Navajo Facilities Engineering prior to commencing any excavation work. Coordinate this activity through CN DE at least 72 hours prior to any required excavation. Facilities Engineering will locate utility lines prior to any excavation work.
 3. Camera Permits: Camera permits are required for any and all photography down-range (Limited Area). Permit shall be obtained from the office of the Director of Industrial Operations (CN DIO) through the office of the CN DE. At least three working days prior to needing the permit, the contractor shall submit the following information to the CN DE; full name of the photographer, Social Security Number,

date of birth, company name, make and model of camera, serial number of camera and dates camera will be required.

J. Utilities

1. Non-potable water: Non potable water shall be available from either Pond #1 or Pond #3. Pond #1 may be a source of non-potable water if the contractor exercises great care so as not to contaminate the pond as it is an ultimate source of drinking water for Camp Navajo. The contractor shall furnish all necessary material and equipment to remove the water from either pond. The contractor shall provide all emergency equipment per CN fire department and environmental compliance materials and equipment. IF Camp Navajo allows the contractor to draw water from Pond #1, the contractor shall pump from the southwest corner. At Pond #1, the contractor shall not conduct pumping operations within the posted boundary about 30' from the pond edge, and all fueled equipment shall be kept from a location where a spill could contaminate the pond. At Pond #3 the contractor shall take precautions so as not to contaminate the water.
2. Potable Water: Potable water for construction purposes may be obtained from the fire hydrant at the southwest corner of Building 2 (or other designated and agreed upon fire hydrant on Camp Navajo). The contractor shall provide all necessary equipment to draw water. This shall include at a minimum, a double check, backflow device with a valid inspection tag prior to use. The contractor shall notify the Camp Navajo Director of Engineering (CN DE), or other designated Camp Navajo personnel, at least 72 hours prior to start of water drawing operations. Camp Navajo may charge for the use of such water.
3. Wastewater: No wastewater or any liquid contaminant from construction activity shall be disposed into the Camp Navajo wastewater collection system, either directly or indirectly. The contractor shall collect and remove all such liquid waste from Camp Navajo and dispose of properly in accordance with all applicable rules and regulations.
4. Electrical: Camp Navajo personnel shall complete all power connections up to the service panels provided by Camp Navajo. The contractor shall notify the CN DE office at least three working days prior to the desired time of connection (at a location previously approved for such connections). If the location is metered, Camp Navajo shall bill the contractor monthly at the same rate billed to other on-site customers. If not metered, Camp Navajo shall bill the contractor monthly at a flat rate.
5. Interruption of Services: Permission to interrupt any Camp Navajo roads, railroads or utility services shall be coordinated up to 15 calendar days in advance and shall be requested in writing no later than three work days prior to the desired date of interruption. The Contractor's equipment shall be conspicuously marked for identification.
6. Communications: Camp Navajo shall not provide telephone connectivity unless available nearby and shall install telephone connections at the contractor's expense.

1.03 OCCUPIED AND EXISTING BUILDINGS

The Contractor will be working in and around existing buildings. Do not enter buildings without prior approval from CN DE. The Contractor shall accept responsibility for the materials and equipment stored on Camp Navajo. The Contractor shall coordinate with the POR or COR regarding storage areas on Camp Navajo. Generally, Camp Navajo will permit the contractor and subcontractors to use areas as close to the work site as practicable considering the mission. This includes areas for storage of material and equipment, dumpsters and other trash containers, sanitation facilities, fuel points, and the like. In all cases, the Contractor shall be responsible to maintain the area for trash, garbage, and construction debris, and to provide any warning signs, fire extinguishers, MSDS's, and other items that may be required by CN regulations for storage "down-range". The Contractor and CN PE shall conduct a condition survey of each area turned over to the Contractor prior to the Contractor using the areas. The Contractor shall be responsible to restore the area(s) to as close to original condition as practicable before leaving the area(s). See paragraph 1.02.H for administrative space for contractors.

1.04 SECURITY REQUIREMENTS

- A. Vehicle Requirements: Contractor's, subcontractor's, and employees' vehicles shall be in good working order and licensed for travel over public roads. All original equipment such as lights, exhaust system, brakes, tires, windshield, windshield wipers, and seat belts, shall be in good working condition. Each vehicle shall carry a fully charged fire extinguisher (2.5-lb. minimum, ABC, dry-type). All personnel operating vehicles shall have a current driver's license. Registration and proof of insurance shall be carried in the vehicle at all times. Only company-owned vehicles will be allowed "down-range" (no privately owned vehicles). A list of vehicles to be used shall be furnished to Camp Navajo Security, to include company, vehicle operator(s), vehicle description and license number.
 - 1. Contractor and subcontractor personnel shall not take any of the following items into Camp Navajo and where indicated into the Limited Area:
 - a. Firearms (firearms will not be stored by Camp Navajo security personnel) – all of Camp Navajo
 - b. Alcoholic beverages of any type – all of Camp Navajo
 - c. Cigarette lighters or flame-producing devices – Limited area only
 - d. Cameras, unless a signed, written permit has been issued by the Camp Navajo Commander – Limited Area only
 - e. Drugs of other than a prescription-type (prescription drugs shall be in original containers) shall not be brought onto Camp Navajo.
 - f. Ammunition, explosives, explosive devices, fireworks and similar type items are prohibited on Camp Navajo unless specifically authorized in writing by Camp Navajo and necessary and essential for accomplishment of the work to be performed.
 - 2. Personnel, personal equipment, construction equipment, and vehicles entering Camp Navajo and the Limited Area are subject to search at any time. Security personnel will search all vehicles entering and exiting the Limited Area. Vehicle operator has the responsibility for raising hood to engine compartment and opening covers to all other compartments on vehicle. Contractor personnel will experience some delays because of this.

- B. Identification of Contractor Vehicles: Each Contractor-provided vehicle and towed trailer shall show the Contractor's name so that it is clearly visible on both front doors of the vehicle and both sides of a towed trailer and shall at all times display a valid State license plate and safety inspection sticker, or the Contractor may furnish a clearly legible identification sign mounted on the dashboard of the vehicle identifying the company and operator. Privately owned vehicles shall not be allowed "down-range" at any time. Contractor vehicles operated on Government property shall be maintained in a good state of repair.
- C. Traffic Regulations: Personnel are subject to all traffic regulations of Camp Navajo. Upon request by the Contractor, a copy of the Camp Navajo traffic regulations will be provided. Use of seat belts by all operators and passengers on Camp Navajo is mandatory. Speed limit "down-range" is a maximum of 35 mph unless posted for a lower speed. Violators will be allowed one warning, after which the operator will not be allowed to drive down range.
- D. Contractor Supply and Delivery: Contractor's supply and delivery truck drivers and co-drivers entering Camp Navajo to deliver or pick up items shall report to the Security Sergeant, Building No. 8. From there the drivers will be directed to the proper destination. Those drivers and co-drivers who are required to enter the Limited Area will be issued "Escort Required" badges. A Contractor's employee will escort the drivers to the job site, and their vehicles will be inspected by security personnel for contraband, weapons, or other items identified by the Camp Navajo Commander. Weapons belonging to long-haul truck drivers will be secured in the contraband room at Post No.3 during the time drivers are inside the Limited Area.
- E. Security of Contractor's Vehicles, Storage Containers, Tools and Temporary Administrative Spaces: the contractor shall be responsible for securing the work sites on Camp Navajo. The contractor shall secure tools and workboxes, storage containers and structures, vehicles and administrative facilities, temporary or permanent, at the end of each work period. If such vehicles or equipment cannot be secured (locked), the contractor shall ensure that unauthorized personnel cannot operate the equipment or vehicle. The contractor shall maintain keys or other access means in a secured and controlled location. The contractor shall ensure that lights and equipment are off unless required for the performance of the work. If equipment such as space heaters, air compressors and lights must remain on when the area is not attended, notify the Camp Navajo purchasing (or contracting) officer's representative and leave a note before departing the work site(s). Camp Navajo security personnel may confiscate keys if left in vehicle and secure the doors where possible. Camp Navajo personnel may shut down equipment and turn off lights if there is no readily apparent reason that said equipment remain on. The contractor or agent thereof shall not hold Camp Navajo responsible for theft or other disappearance of tools or equipment not secured.
- F. Contractor personnel working in the Limited Area will travel directly to and from Post 3 and the work area. Contractor personnel are only authorized to be in the pre-designated work area. Contractor personnel are prohibited from all other areas in the Limited Area unless specifically authorized by Camp Navajo.

- G. Contractor personnel are prohibited from approaching any Camp Navajo operation in the Limited Area without prior expressed authorization and necessity to be at that operation and then only with permission from Camp Navajo operations on-site supervisor.
- H. Camp Navajo may require that contractor personnel temporarily halt operations for limited periods in certain areas of the Limited Area for Camp Navajo to conduct necessary operations.

1.05 OCCUPANCY REQUIREMENTS

- A. Camp Navajo will remain in operation during the entire construction period and the Contractor shall conduct his operations so as to cause the least possible interference with the normal operations of the activity.
- B. Ensure that new utility lines are complete, except for the connection, before interrupting existing service.
- C. Interruption to Telephone Service, Electric Service, and Fire Alarm. These shall be considered utility cut-overs pursuant to the paragraph entitled "Work Outside Regular Hours." This limit includes time for deactivation and reactivation.

1.06 ENVIRONMENTAL COMPLIANCE

- A. General Protection of Land and Cultural Resources: The Contractor shall confine his construction activities to areas defined on the drawings unless prior written approval is granted by CN DE. The land and cultural resources outside the limits of work performed under this contract shall be preserved in their present condition.
 - 1. Damage by Contractor: Cultural resources unnecessarily damaged by the Contractors equipment or operations shall be mitigated to a level accepted by CN DE at the Contractors expense. The contracting or purchasing officer through the CN DE in consultation with the State Historical Preservation Office (SHPO) will decide what method of mitigation will be required.
 - 2. Cultural Resources Mitigation: All known sites shall be avoided if possible. If sites are discovered during ground-disturbing activities, they shall be avoided if possible and mitigated in other ways if avoidance is not possible. Any sites approved for mitigation (other than avoidance) by CN DE will be treated in accordance with the SHPO requirements (section 106 – 36CFR 800).
 - 3. Excavation: Notify CN DE three working days before trenching for culverts and/or underground electrical work in roadways. Trenching (excavating) will be monitored by Camp Navajo government personnel.
NOTE: Construction delays or diversions of work could occur in order to mitigate impacts to cultural resources (archaeological sites) that may be encountered during grading and excavating operations. These delays or diversions may extend from a few hours to several days depending upon the significance of the resources discovered and the level of mitigation needed.
- B. Spill Prevention and Response: To prevent and reduce the impact of fuel, lubricant, and other regulated material releases to the environment, the Contractor shall comply with the

requirements outlined in the Camp Navajo Spill Prevention, Control and Countermeasures Plan (SPCCP).

1. Spill Reporting: In the event of a fuel or other regulated material release to the environment, the contractor shall immediately report a release or spill to the Camp Navajo Fire Department.
2. Spill Prevention: To minimize environmental contamination during a project, the contractor shall provide secondary containment for stationary fuel containers and fuel transfer points. Appropriate spill response equipment shall be available on site, and ongoing preventive maintenance of vehicles and material storage facilities shall be instituted to prevent releases.
3. Spill Cleanup: The contractor shall be responsible for the cleanup, restoration, and disposal of all wastes resulting from contractor generated spillage, refueling, and leakage. If the contractor is unable or unwilling to affect such cleanup, restoration and disposal, Camp Navajo shall take appropriate actions and bill the contractor for such effort.
4. Waste Disposal: All spill residue, contaminated oil, unused product, and empty containers generated by the contractor shall be disposed of by the contractor in accordance with applicable local, state, and federal regulations and directives.

1.07 PRE-CONSTRUCTION CONFERENCE

- A. Scheduling: After award of contract, but prior to commencement of any work at the site the Purchasing Officer will schedule a pre-construction conference and organizational meeting at the project site or other convenient location. The Purchasing Officer will conduct the meeting to review responsibilities and personnel assignments.
- B. Attendees: The Government (Owner), the Contractor and his superintendent, major subcontractors, manufacturers, suppliers and other concerned parties shall be represented at the conference by persons familiar with and authorized to conclude matters relating to the work.
- C. Agenda: The meeting will address items of significance that could affect progress including such topics as:
 1. Tentative construction schedule
 2. Critical work sequencing
 3. Administration of value engineering
 4. Designation of responsible personnel
 5. Procedures for processing field decisions and change orders
 6. Procedures for processing applications for payment
 7. Distribution of contract documents
 8. Submittal of shop drawings, product data, and samples
 9. Preparation of record documents
 10. Use of the premises
 11. Office, work and storage areas

12. Equipment deliveries and priorities
13. Safety procedures
14. First Aid
15. Security
16. Housekeeping
17. Working hours

1.08 QUALITY ASSURANCE

- A. Contractor Responsibilities: The contractor shall provide inspections, tests and similar quality control services specified in individual specification sections and as otherwise required by governing authorities, except where they are specifically indicated to be the Government's responsibility or are provided by another identified entity. Note: It is the intent of these specifications that Camp Navajo as the owner or the government does not contract for, make arrangements for, and PAY for any tests required to validate the construction activities of the contractor or any subcontractor or supplier. These services include those specified to be performed by an independent agency and not by the Contractor. Costs for these services shall be included in the contract sum.
- B. Re-testing: The contractor is responsible for re-testing where results of required inspection tests or similar services prove unsatisfactory and do not indicate compliance with contract document requirements regardless of whether the original test was the Contractor's responsibility.

Cost of re-testing construction revised or replaced by the Contractor is the Contractor's responsibility where required tests were performed on original construction.

1.09 SAFETY REQUIREMENTS

CONTRACTOR SAFETY PROGRAM

PURPOSE

Camp Navajo's Safety Program is designed to meet employee, environmental and transportation safety requirements to protect *Camp Navajo* and contractor employees, jobsites, and equipment from injury, accident or loss. Contractors are defined as non-*Camp Navajo* state and federal employees, or businesses that are retained by *Camp Navajo* to provide specific labor or services.

Examples of Contractor Employers are; but not limited to,

- Building trades companies
- Utility service or repair companies
- Janitorial services

- Pest control services
- Food Service and vending groups
- Transportation and shipping services
- Raw product suppliers

Contractor compliance is a condition of doing business with *Camp Navajo*. Specific compliance is required in the following:

- Local, State & Federal Safety, Environmental and Transportation Regulations, and laws
- Fire & Building Codes
- Minimum Liability & Workers Compensation Insurance Requirements

Responsibilities

Management:

- Ensure contracts for bids contain appropriate information concerning the Contractor Safety Program including all requirements
- Provide access to MSDS material upon request of subcontractors
- Monitor all subcontractor activity at their location
- Ensure subcontractor follow and adhere to all OSHA requirements
- Provide a safe work environment

Contractors

- Conduct daily safety inspections of all assigned areas
- Identify and correct hazards
- Provide subcontractor employees with required personal protective equipment
- Ensure subcontractor employees have the proper training for assigned tasks
- Coordinate with *Camp Navajo* Safety Manager for safety related issues

- Maintain required insurance coverage
- Establish and maintain an effective Safety and Health Program
- Establish and maintain an effective Housekeeping Program
- Report any of the above to the *Camp Navajo* Safety Office

Required training for contractor employees

- General Safety Rules, including reporting of unsafe conditions
- Hazard communication and chemical safety
- Lockout/Tagout
- Electrical safety
- Evacuation routes, alarms and procedures
- Hot Work Program
- Confined Space Program
- Process safety management
- Personal protective equipment

Safety Reviews

To ensure the safety of *Camp Navajo* and contractor employees, company facilities and equipment, a comprehensive pre-work safety review conference will be conducted for all subcontractor work that involves:

- Construction
- Renovation
- Equipment installation & repair
- Utility modifications
- Electrical work
- Work at elevated locations

- Confined space entry
- Use of toxic substances
- Hot work or welding

As a minimum, the safety review participants will consist of *Camp Navajo* and contractor safety representatives. All task specific safety concerns shall be addressed and resolved prior to commencement of work by the contractor.

Hazardous Chemical/Substance Notification

Contractors must follow the OSHA Hazard Communication Standard requirements including safe handling and storage of chemicals. Contractors are required to inform the *Camp Navajo* Safety Manager of all hazardous substances which may be brought onto a *Camp Navajo* jobsite, including providing the most current Material Safety Data Sheet for each substance. All spills and leaks of hazardous chemicals must be immediately reported to the *Camp Navajo* Safety Office and *Camp Navajo* management.

Welding & Hot-Work Permit Program

All hot work and welding operations must be conducted under the control of a Heat and Flame Permit that has been pre-approved by the *Camp Navajo* Safety Manager, Fire Chief, QA and on site supervisor.

Confined Space Entry

Contractor employees are not authorized to enter any confined spaces or any *Camp Navajo* jobsites unless specifically required by the service or construction contract.

Work at Elevated Locations

All contractor employees when working at elevated locations shall use required fall protection equipment.

Other Policies and Procedures

All contractor employees shall adhere to all other *Camp Navajo* policies, including but not limited to: access to company jobsites, company equipment, use of controlled substances, firearm and explosive restrictions, harassment of other persons, traffic and parking regulations. PART 2 PRODUCTS

End of Section

SECTION 01330 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. See Division 1 Section "Closeout Procedures" for submitting warranties Project Record Documents and operation and maintenance manuals.

1.2 DEFINITIONS

- A. Action Submittals: Written and graphic information that requires Owners responsive action.
- B. Informational Submittals: Written information that does not require Owners approval. Submittals may be rejected for not complying with requirements.

1.3 SUBMITTAL PROCEDURES.

- A. Processing Time: Allow enough time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Owner's receipt of submittal.
 - 1. Initial Review: Allow 2 days for initial review of each submittal. Allow additional time if processing must be delayed to permit coordination with subsequent submittals. Owner will advise Contractor when a submittal being processed must be delayed for coordination.
 - 2. If intermediate submittal is necessary, process it in same manner as initial submittal.
 - 3. Allow 2 days for processing each re-submittal.
 - 4. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing.
- B. Identification: Place a permanent label or title block on each submittal for identification.
 - 1. Indicate name of firm or entity that prepared each submittal on label or title block.
 - 2. Provide a space approximately 4 by 5 inches on label or beside title block to record Contractor's review and approval markings and action taken by Owner.
 - 3. Include the following information on label for processing and recording action taken:
 - a. Project name.
 - b. Date.
 - c. Name and address of Owner.
 - d. Name and address of Contractor.
 - e. Name and address of subcontractor.
 - f. Name and address of supplier.

- g. Name of manufacturer.
 - h. Unique identifier, including revision number.
 - i. Number and title of appropriate Specification Section.
 - j. Drawing number and detail references, as appropriate.
 - k. Other necessary identification.
- C. Deviations: Highlight, encircle, or otherwise identify deviations from the Contract Documents on submittals.
- D. Additional Copies: Unless additional copies are required for final submittal, and unless Owner observes noncompliance with provisions of the Contract Documents, initial submittal may serve as final submittal.
 - 1. Additional copies submitted for maintenance manuals will be marked with action taken and will be returned.
 - 2. Include Contractor's certification stating that information submitted complies with requirements of the Contract Documents.
 - 3. Transmittal Form: Use AF FORM 3000 sample form at end of section.
- E. Use for Construction: Use only final submittals with mark indicating action taken by Owner in connection with construction.

PART 2 - PRODUCTS

PART 3 - EXECUTION

END OF SECTION 01330

SECTION 01781 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes administrative and procedural requirements for Project Record Documents, including the following:

1. Record Drawings.
2. Record Specifications.
3. Record Product Data.

1.2 SUBMITTALS

- A. Record Drawings: Comply with the following:

1. Number of Copies: Submit one set of marked up Record Prints
2. Number of Copies: Submit copies of Record Drawings as follows:

a. Initial Submittal: Submit one set of Manufactures Drawings and one set of marked up Record Prints. Owner will initial and date each and mark whether general scope of changes, additional information recorded, and quality of drafting are acceptable. Engineer will return prints for organizing into sets, printing, binding, and final submittal.

b. Final Submittal: Manufacture Prints

- B. Record Product Data: Submit one copy of each Product Data submittal.

PART2 - PRODUCTS

1.2 RECORD DRAWINGS

- A. Record Prints: Maintain one set of blue- or black-line white prints of the Manufacture Drawings and Shop Drawings.

1. Preparation: Mark Record Prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to prepare

marked-up Record Prints.

- a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.
 2. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.
 3. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
 4. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
- B. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
1. Record Prints: Organize Record Prints and newly prepared Record Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
 2. Identification: As follows:
 - a. Project name.
 - b. Date.
 - c. Designation "PROJECT RECORD DRAWINGS."
 - d. Name of Engineer.
 - e. Name of Contractor.

1.3 RECORD SPECIFICATIONS

- A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
 3. Record name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
 4. Note related Change Orders, Record Drawings and Product Data where applicable.

1.4 RECORD PRODUCT DATA

- A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
 - 1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 - 2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.

1.5 MISCELLANEOUS RECORD SUBMITTALS

- A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

PART 2 - EXECUTION

2.1 RECORDING AND MAINTENANCE

- A. Recording: Maintain one copy of each submittal during construction period for Project Record Document purposes. Post changes and modifications to Project Record Documents as they occur; do not wait until end of Project.
- B. Maintenance of Record Documents and Samples: Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Owner's reference during normal working hours.

END OF SECTION 01781

SECTION 01782 - OPERATION AND MAINTENANCE DATA

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
 - 1. Emergency manuals.
 - 2. Operation manuals for equipment.
 - 3. Maintenance manuals for the care and maintenance of buildings and equipment.

1.2 SUBMITTALS

- A. Manual: Submit 1 of each manual in final form before final inspection. .

PART 2 - PRODUCTS

2.1 MANUALS, GENERAL

- A. Organization: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain a title page, table of contents, and manual contents.
- B. Title Page: Enclose title page in transparent plastic sleeve. Include the following information:
 - 1. Subject matter included in manual.
 - 2. Name and address of Project.
 - 3. Name and address of Owner.
 - 4. Date of submittal.
 - 5. Name, address, and telephone number of Contractor.

2.2 OPERATION MANUALS

- A. Content: In addition to requirements in this Section, include operation data required in individual Specification Sections and equipment descriptions, operating standards, operating procedures.
- B. Descriptions: Include the following:
 - 1. Product name and model number.
 - 2. Manufacturer's name.
 - 3. Equipment identification with serial number of each component.
 - 4. Equipment function.

2.3 PRODUCT MAINTENANCE MANUAL

- A. Content: Organize manual into a separate section for each product, material, and finish. Include source information, product information, maintenance procedures, repair materials and sources, and warranties and bonds, as described below.
- B. Source Information: List each product included in manual identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual.
- C. Product Information: Include the following, as applicable:
 - 1. Product name and model number.
 - 2. Manufacturer's name..
- D. Maintenance Procedures: Include manufacturer's written recommendations for inspection procedures, types of cleaning agents, methods of cleaning, schedule for cleaning and maintenance, and repair instructions.
- E. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.
- F. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.

END OF SECTION 01782

SECTION 08110 - STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes steel doors and frames for metal arched buildings.

1.2 SUBMITTALS

- A. Product Data: For each product indicated. Include door designation, type, level and model, material description, label compliance, fire-resistance ratings, and finish.

1.3 QUALITY ASSURANCE

- A. Steel Door and Frame Standard: Comply with ANSI A 250.8, unless more stringent requirements are indicated.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. SteelMaster (Metal Arch Building company)
 - 2. Metal Building Depot (Walk door for metal buildings)

2.2 MATERIALS

- A. Metallic-Coated Steel Sheets: ASTM A 653/A 653M, Commercial Steel (CS), Type B, with an A40 (ZF120) zinc-iron-alloy (galvannealed) coating; stretcher-leveled standard of flatness.

2.3 DOORS

- A. Exterior Doors: Complying with ANSI A250.8 for level and model and ANSI A250.4 for physical-endurance level indicated.

2.4 FRAMES

- A. General: Designed for metal buildings, Inserts, Bolts, and Fasteners: Manufacturer's standard units.

2.5 FABRICATION

- A. General: Fabricate steel door and frame units to comply with ANSI A250.8 free from defects including warp and buckle. Where practical, fit and assemble units in manufacturer's plant.
- B. Exterior Doors: Fabricate doors, panels, and frames from metallic-coated steel sheet.
- C. Core Construction: Manufacturer's standard core construction that produces a door complying with SDI standards.
- D. Clearances for Non-Fire-Rated Doors: Not more than 1/8 inch (3.2 mm) at jambs and heads, except not more than 1/4 inch (6.4 mm) between pairs of doors. Not more than 3/4 inch (19 mm) at bottom.
- E. Door-Edge Profile: Square edge.
- F. Locksets and Cylinders shall accommodate the "BEST" type 1C7Q1-626 incombinated core.
- G. Frame Construction:
 - 1. Proper designed for metal buildings.

2.6 FINISHES

- A. Prime Finish: Manufacturer's standard, factory-applied coat of rust-inhibiting primer complying with ANSI A250.10 for acceptance criteria.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Placing Frames: Comply with provisions in SDI 105, unless otherwise indicated. Set frames accurately in position, plumbed, aligned.
- B. After installation, remove protective wrappings from doors and frames and touch up prime coat with compatible air-drying primer.

END OF SECTION 08110

SECTION 08361 - SECTIONAL OVERHEAD DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes manually operated sectional overhead doors.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide sectional overhead doors capable of withstanding the effects of gravity loads and the following loads and stresses without evidencing permanent deformation of door components:
1. Wind Loads: Uniform pressure (velocity pressure) of 20lbs/sq. ft. (960Pa), acting inward and outward.
 2. Air Infiltration: Maximum Rate: 0.08 cfm (0.038 L/s) at 15 mph (24 km/h).
 3. Impact Test for Flying Debris: Comply with ASTM E 1996, tested according to ASTM E 1886.
 - a. Level of Protection: Basic Protection.
 - b. Wind Zone **One (1)** [**110 mph (176 km/h)**], pressure test to 3/4 and 1-1/2 x design pressure (positive and negative).
- B. Operation-Cycle Requirements: Provide sectional overhead door components and operators capable of operating for not less than **10,000** cycles.

1.3 SUBMITTALS

- A. Product Data: For each type and size of sectional overhead door and accessory.
- B. Shop Drawings: For special components and installations not detailed in manufacturer's product data.
- C. Samples: Manufacturer's color charts showing the full range of colors available for each type of finish-coat material indicated.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Steel Doors with Steel Panels:
 - a. Windsor Republic doors (Model 224 Commercial Sectional Steel Overhead door)
 - b. Amarr (steel sectional)

2.2 STEEL DOOR SECTIONS

- A. Construct door sections including face sheets and frames from zinc-coated (galvanized), cold-rolled, commercial steel (CS) sheet, complying with ASTM A 653/A 653M, [G60 (Z180)] [G90 (Z275)] coating designation.
 - 1. Exterior-Section Face: Manufacturer's standard fluted.
- B. Fabricate door panels from a single sheet to provide sections not more than 24 inches (600 mm) high and nominally 2 inches (51 mm) deep.
- C. Enclose open sections with channel end stiles formed from not less than 0.064-inch- (1.6-mm-) thick galvanized steel sheet and weld end stiles to door section in place.
- D. Reinforce bottom section with a continuous channel or angle complying with bottom-section profile and allowing installation of astragal.
- E. Provide reinforcement for hardware attachment.
 - 1. Inside Facing Material: Zinc-coated (galvanized) steel sheet.
- F. Fabricate sections so finished door assembly is rigid and aligned, with tight hairline joints and free of warp, twist, and deformation.
- G. Finish: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
 - 1. Surface Preparation: Clean galvanized surfaces so surfaces are free of oil and other contaminants.
 - a. Pretreat zinc-coated steel, after cleaning, with a conversion coating.
 - 2. Apply manufacturer's standard primer to both door faces after forming.
 - 3. Apply manufacturer's standard primer and finish coats to interior-and exterior-door faces after forming.

- a. Color and Gloss: As indicated by manufacturer's designation.

2.3 TRACKS, SUPPORTS, AND ACCESSORIES

- A. Tracks: Manufacturer's standard, galvanized steel track system, sized for door size and weight, designed for lift type indicated and clearances shown, including brackets, bracing, and reinforcement for rigid support of ball-bearing roller guides for required door type and size. Weld or bolt to track supports.
 - 1. Provide tracks configured for the following lift types:
 - a. Standard.
 - b. High.
 - c. Vertical.
 - 2. Track Reinforcement and Supports: Galvanized steel supporting members to provide strength and rigidity during opening and closing of doors.
- B. Weatherseals: Replaceable, adjustable, continuous, compressible weather-stripping gaskets of flexible vinyl, rubber, or neoprene fitted to bottom and top of overhead door.

2.4 HARDWARE

- A. General: Provide heavy-duty, corrosion-resistant hardware to suit door type.
- B. Hinges: Heavy-duty galvanized steel hinges at each end stile and at each intermediate stile. Attach hinges to door sections through stiles and rails. Provide double-end hinges where required and for doors exceeding 16 feet (4.87 m) in width.
- C. Rollers: Heavy-duty rollers with steel ball bearings in case-hardened steel races.
 - 1. Tire Material: Case-hardened steel
- D. Push/Pull Handles: Galvanized steel lifting handles on each side of door.
- E. Slide Bolt: Engage through slots in tracks for locking by padlock, operable from inside only.
 - 1. Locking Bars: Full-disc cremone type, both jamb sides operable from inside and outside.
 - 2. Lock cylinder is specified in Division 8 Section "Door Hardware."
- F. Chain Lock Keeper: Suitable for padlock.

2.5 COUNTERBALANCE MECHANISM

- A. Torsion Spring: Fabricated from oil-tempered-steel wire, mounted on a cross-header tube or steel shaft. Connect to door with galvanized aircraft-type lift cables with cable safety factor of at least 5 to 1. Provide springs calibrated for a minimum of 10,000 cycles.

- B. Cable Drums: Cast-aluminum or gray-iron casting cable drums grooved to receive cable. Mount counterbalance mechanism with manufacturer's standard ball-bearing brackets at each end of shaft.
- C. Cable Safety Device: Include a spring-loaded, steel or bronze cam mounted to bottom door roller assembly on each side and designed to automatically stop door if either cable breaks.
- D. Bracket: Provide anchor support bracket as required to connect stationary end of spring to the wall and to level shaft and prevent sag.
- E. Provide a spring bumper at each horizontal track to cushion door at end of opening operation.

2.6 MANUAL DOOR OPERATORS

- A. Push-up Operation: Lift handles and pull rope.
- B. Chain-Hoist Operation: Side-mounted unit.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install door, track, and operating equipment complete with necessary hardware according to Shop Drawings, manufacturer's written instructions, and as specified.

3.2 STARTUP SERVICES

3.3 ADJUSTING

- A. Lubricate bearings and sliding parts; adjust doors to operate easily, free of warp, twist, or distortion and with weathertight fit around entire perimeter.
- B. Touch-up Painting: Immediately after welding galvanized track to track supports, clean field welds and abraded galvanized surfaces and repair galvanizing to comply with ASTM A 780.

END OF SECTION 08361

SECTION 13125 - METAL BUILDING SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Arched sections make up walls and roof.
2. Building components.
3. Accessories and trim.

1.2 SYSTEM PERFORMANCE REQUIREMENTS

- A. General: Provide a complete, integrated set of metal building system manufacturer's standard mutually dependent components and assemblies that form a metal building system capable of withstanding structural and other loads, thermally induced movement, and exposure to weather without failure or infiltration of water into building interior include primary and secondary roof and wall panels, and accessories complying with requirements indicated.
- B. Structural Performance: Provide metal building systems capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated.

1. Design Loads: 35lbs snow load 90 mph wind.

1.3 SUBMITTALS

- A. Product Data: For each type of metal building system component indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, structural roof and wall panel layout
- C. Letter of Design Certification: Signed and sealed by a qualified professional engineer. Include the following:
1. Order number.
 2. Name of manufacturer.
 3. Name of Contractor.

4. Building dimensions, including width, length, height, and roof slope.
5. Indicate compliance with AISC standards for hot-rolled steel and AISI standards for cold-rolled steel, including edition dates of each standard.
6. Governing building code and year of edition.
7. Design loads and load combinations.
8. Building-use category.
9. AISC Certification for Category MB: Include statement that metal building system and components were designed and produced in an AISC-Certified Facility by an AISC-Certified Manufacturer.

1.4 QUALITY ASSURANCE

- A. Erector Qualifications: An experienced erector who has experience in erecting and installing work similar in material, design, and extent to that indicated for this Project.
- B. Manufacturer Qualifications: A firm experienced in manufacturing metal building systems similar to those indicated for this Project and with a record of successful in-service performance.
 1. Member of MBMA.
 2. AISC Certification for Category MB: An AISC-Certified Manufacturer that designs and produces metal building systems and components in an AISC-Certified Facility.
 3. Engineering Responsibility: Preparation of Shop Drawings, testing program development, test result interpretation, and comprehensive engineering analysis by a qualified professional engineer.
- C. Cold-Formed Steel: Comply with AISI SG-671, "Specification for the Design of Cold-Formed Steel Structural Members," and AISI SG-911, "Load and Resistance Factor Design Specification for Steel Structural Members," for design requirements and allowable stresses.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Stack materials on platforms or pallets, covered with tarpaulins or other suitable weather tight and ventilated covering. Do not store panels in contact with other materials that might cause staining, denting, or other surface damage.

1.6 WARRANTY

- A. Warranty on Panels: Manufacturer's standard form in which manufacturer agrees to repair or replace roof and wall panels that fail in materials or workmanship within 2 years from date of Substantial Completion. Warranty period .

1.7 MANUFACTURERS

A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. SteelMaster

1.8 STRUCTURAL-FRAMING MATERIALS

A. Structural-Steel Shapes: ASTM A 36/A 36M or ASTM A 529/A 529M.

1. Finish: Mechanically deposited zinc coating, ASTM B 695, Class 50.

B. High-Strength stainless steel Bolts, Nuts, and rubber.

1.9 PANEL MATERIALS

1. Galvanized arches

1.10 FABRICATION, GENERAL

1.10.1.1.1 Bolt together arches on the ground, align arches in bottom channel and raise one section at a time then install end units and install man doorframe as you reach selected location.

2 EXECUTION

2.9.1.1 ERECTION

2.9.1.1.1 Erect metal building system according to manufacturer's written instructions and erection drawings.

2.9.1.1.2 Do not field cut, drill, or alter structural members without written approval from metal building system manufacturer's professional engineer.

2.9.1.1.2.1 Set bearing plates for structural members on wedges, shims, or setting nuts.

2.9.1.1.2.2 Pack caulk solidly between bearing surfaces and plates so no voids remain.

2.9.1.1.2.3 Level and plumb individual members of structure.

2.9.1.1.3 Primary Framing and End Walls: Erect framing true to line, level, plumb, rigid, and secure.

2.9.1.1.3.1 Make field connections using high-strength bolts. Tighten bolts by turn-of-the-nut method.

2.9.1.1.4 Framing for Openings: Provide shapes of proper design ..

2.9.1.2 ROOF PANEL INSTALLATION

2.9.1.2.1 Lap-Seam Panels: Fasten panels with exposed fasteners at each lapped joint at location and spacing determined by manufacturer.

2.9.1.2.1.1 Arrange and nest side-lap joints so prevailing winds blow over, not into, lapped joints. Lap ribbed or fluted sheets one full rib corrugation. Apply panels and associated items for neat and weather tight enclosure. Avoid "panel creep" or application not true to line.

2.9.1.2.1.2 Provide sealant recommended by manufactory at lapped joints of panels.

2.9.1.3 WALL PANEL INSTALLATION

2.9.1.3.1.1 Arrange and nest side-lap joints so prevailing winds blow over, not into, lapped joints. Install panels with vertical edges plumb. Lap ribbed or fluted sheets one full rib corrugation. Apply panels and associated items for neat and weather tight enclosure. Avoid "panel creep" or application not true to line.

2.9.1.3.1.2 Unless otherwise indicated, begin panel installation at ends

2.9.1.3.1.3 Align bottom of wall panels with channels.

2.9.1.3.1.4 Apply elastomeric sealant continuously between metal base channel (sill angle) and concrete, and elsewhere as necessary for waterproofing. Handle and apply sealant and backup according to sealant manufacturer's written instructions.

2.9.1.4 FIELD QUALITY CONTROL

2.9.1.4.1.1 Bolted connections will be visually inspected by owner..

2.9.1.5 CLEANING AND PROTECTION.

2.9.1.5.1 Panels: On completion of panel installation, clean finished surfaces as recommended by panel manufacturer and maintain in a clean condition during construction.

2.9.1.5.1.1 Replace panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 13125